WHAT IS CLAIMED IS:

1. A digital camera, which has a control unit which regularly carries out an automatic focusing operation without a release button on an operation section being pressed, comprising:

a voltage detection unit which drives power supply;

a temperature detection unit which detects an inner temperature and an outer temperature of the apparatus;

a power supply detection unit which detects whether the power supply is an AC power supply or a DC power supply;

a power-supply condition control unit which makes a determination as to a power-supply state of the apparatus based upon a voltage, a temperature and the kind of the power supply that have been respectively detected by the voltage detection unit, the temperature detection unit, and the power supply detection unit; and

a focusing unit which automatically focuses a focus lens system onto a subject,

wherein the gap of automatic focusing timing is varied by an output from the power-supply condition control unit.

2. The digital camera according to claim 1, wherein the power supply condition control unit varies the gap of automatic focusing timing based upon the detected voltage.

3. The digital camera according to claim 2, wherein the power supply condition control unit allows the user to select the permission and inhibition of the function for varying the gap of automatic focusing timing based upon the detected voltage.

4. The digital camera according to claim 1, wherein upon detection that the applied power supply is an AC power supply, the power-supply condition control unit carries out no detection of the power supply voltage so that the gap of automatic focusing timing is not varied.

5. The digital camera according to claim 1, wherein the power supply condition control unit varies the gap of automatic focusing timing based upon the detected outer temperature.

6. The digital camera according to claim 5, wherein the power supply condition control unit allows the user to select the permission and inhibition of the function for varying the gap of automatic focusing timing based upon the detected outer temperature.

7. The digital camera according to claim 1, wherein a user is allowed to set the rate of variation in the gap of automatic focusing timing.

8. The digital camera according to claim 1, wherein the automatic focusing unit detects a focusing position by driving the focusing lens system.

9. The digital camera according to claim 1, wherein the automatic focusing unit determines a focusing position through a passive ranging method using a trigonometrical survey without driving the focusing lens system.

10. The digital camera according to claim 1, wherein the automatic focusing unit determines a focusing position through an active ranging method using a trigonometrical survey without driving the focusing lens system.

11. A digital camera comprising:

a voltage detection unit which drives power supply;

a temperature detection unit which detects an inner temperature and an outer temperature of the apparatus;

a power supply detection unit which detects whether the power supply is an AC power supply or a DC power supply;

a power-supply condition control unit which makes a determination as to a power-supply state of the apparatus based upon a voltage, a temperature and the kind of the power supply that have been respectively detected by the voltage detection unit, the temperature detection unit, and the power supply detection unit;

a focusing unit which automatically focuses a focus lens system onto a subject; and

a focusing position detection unit which, when a release button is pressed, is allowed to acquire an evaluation value in synchronism with a VD signal to detect a focusing position,

wherein the focal position detection unit acquires the evaluation value by varying the gap of VD signals based upon the output of the power-supply condition control unit.

12. The digital camera according to claim 11, wherein the power supply condition control unit varies the gap of VD signals based upon the detected voltage.

13. The digital camera according to claim 12, wherein the power supply condition control unit allows the user to select the permission and inhibition of the function for acquiring the evaluation value by varying the gap of VD signals based upon the detected voltage.

14. The digital camera according to claim 11, wherein upon detection that the applied power supply is an AC power supply, the power-supply condition control unit carries out no detection of the voltage so that the gap of VD signals is not varied.

15. The digital camera according to claim 11, wherein the power supply condition control unit varies the gap of VD signals based upon the detected outer temperature.

16. The digital camera according to claim 15, wherein the power supply condition control unit allows the user to select the permission and inhibition of the function for varying the gap of VD signals based upon the detected outer temperature.

17. The digital camera according to claim 11, wherein a user is allowed to set the rate of variation in said gap of VD signals.